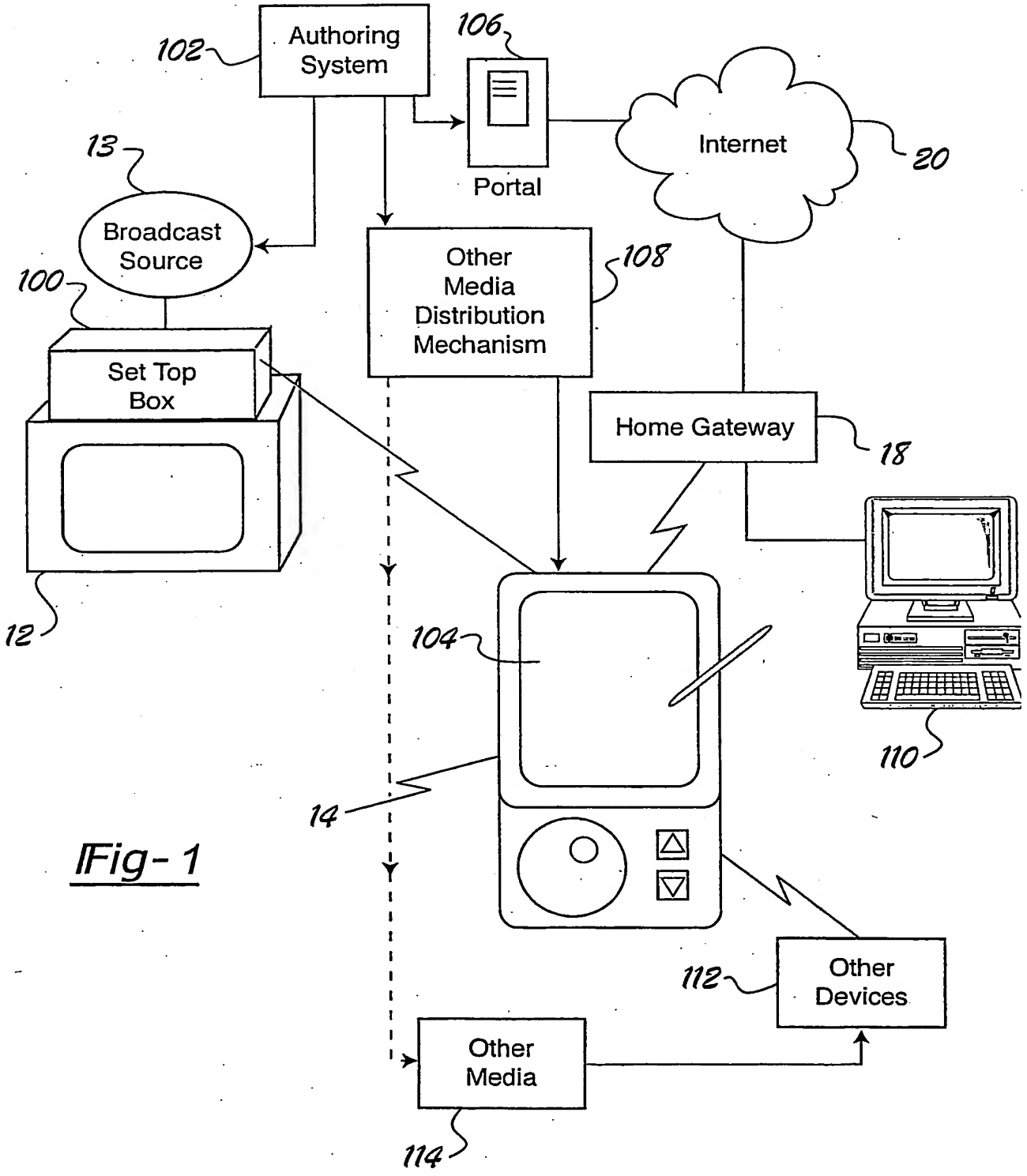
Authoring System
102
106
Portal
Internet
20
13
Broadcast Source
100
Other Media Distribution Mechanism
108
Set Top Box
Home Gateway
18
12
104
110
14
Other Devices
112
Other Media
114

Fig-1

Fig-2

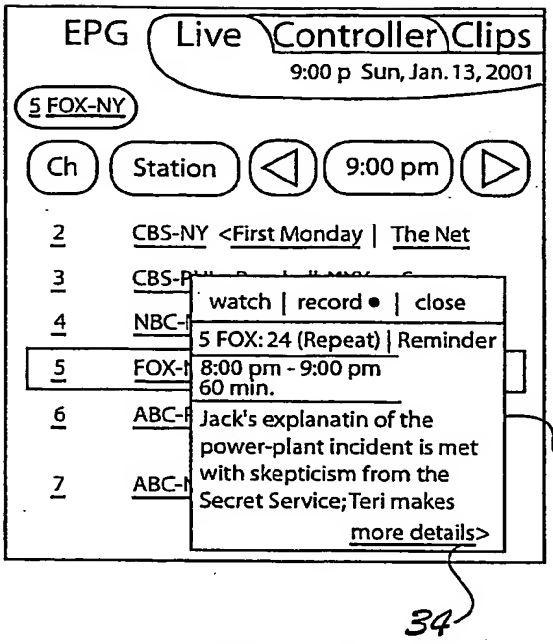

Fig-3

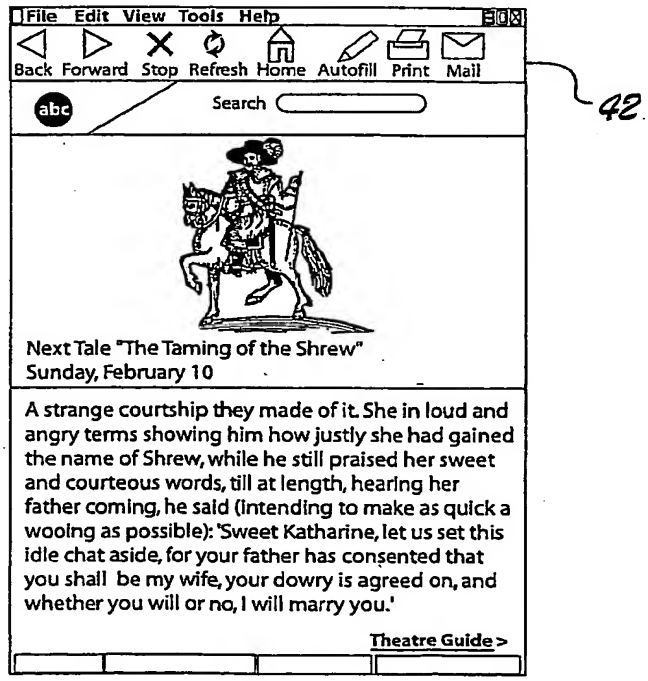

Fig-4

10/509643

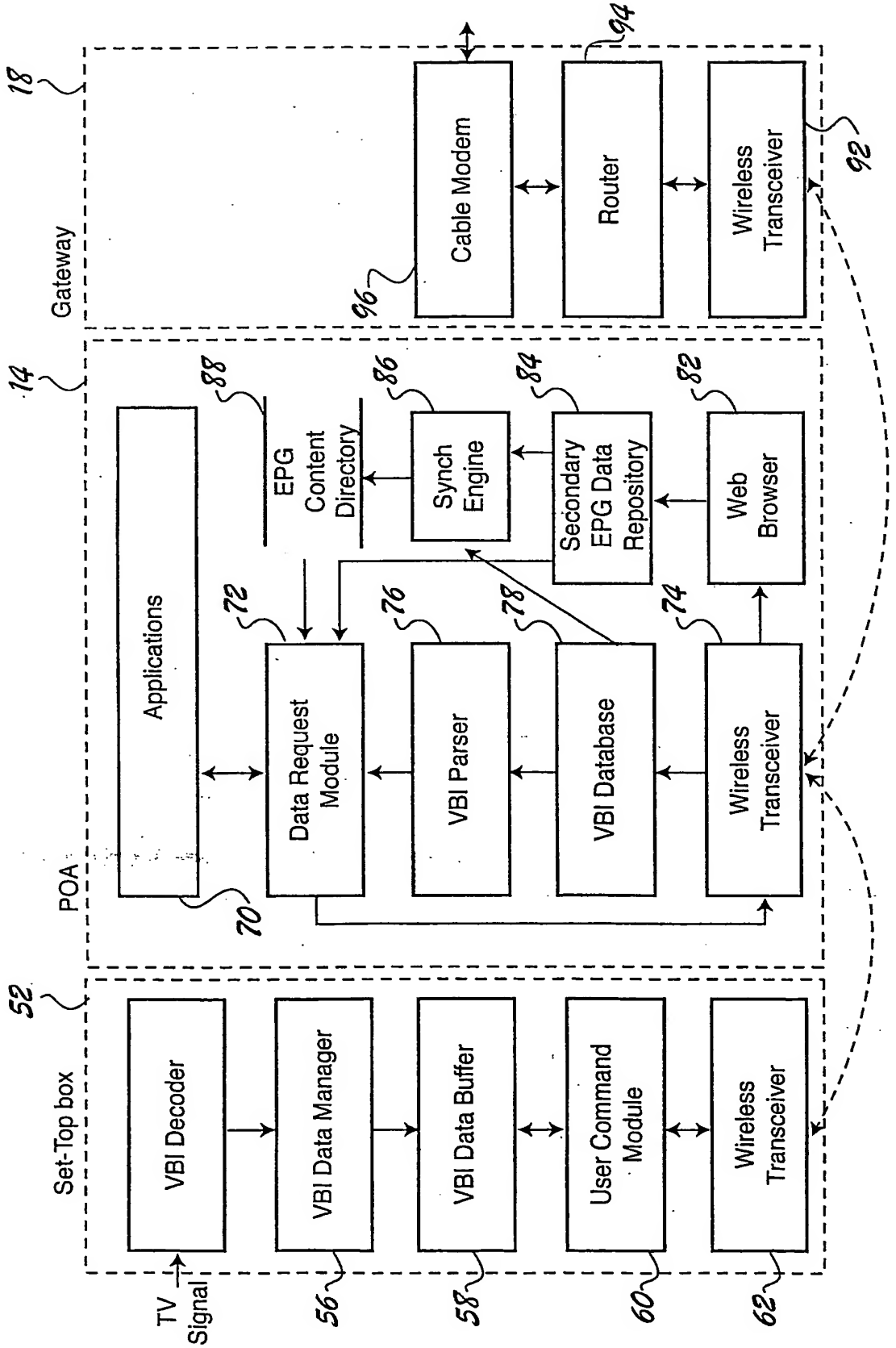

Fig-5

Source	Links
Broadcast	/usr/EPG/VB1
Internet	/usr/EPG/Internet
SD Card	/mnt/card/EPG

Fig-6A

Program ID	Source	Level	TimeStamp
123	Broadcast	1	
123	Internet	2	
456	Broadcast	1	
456	SD	2	
456	Internet	3	

Fig-6B

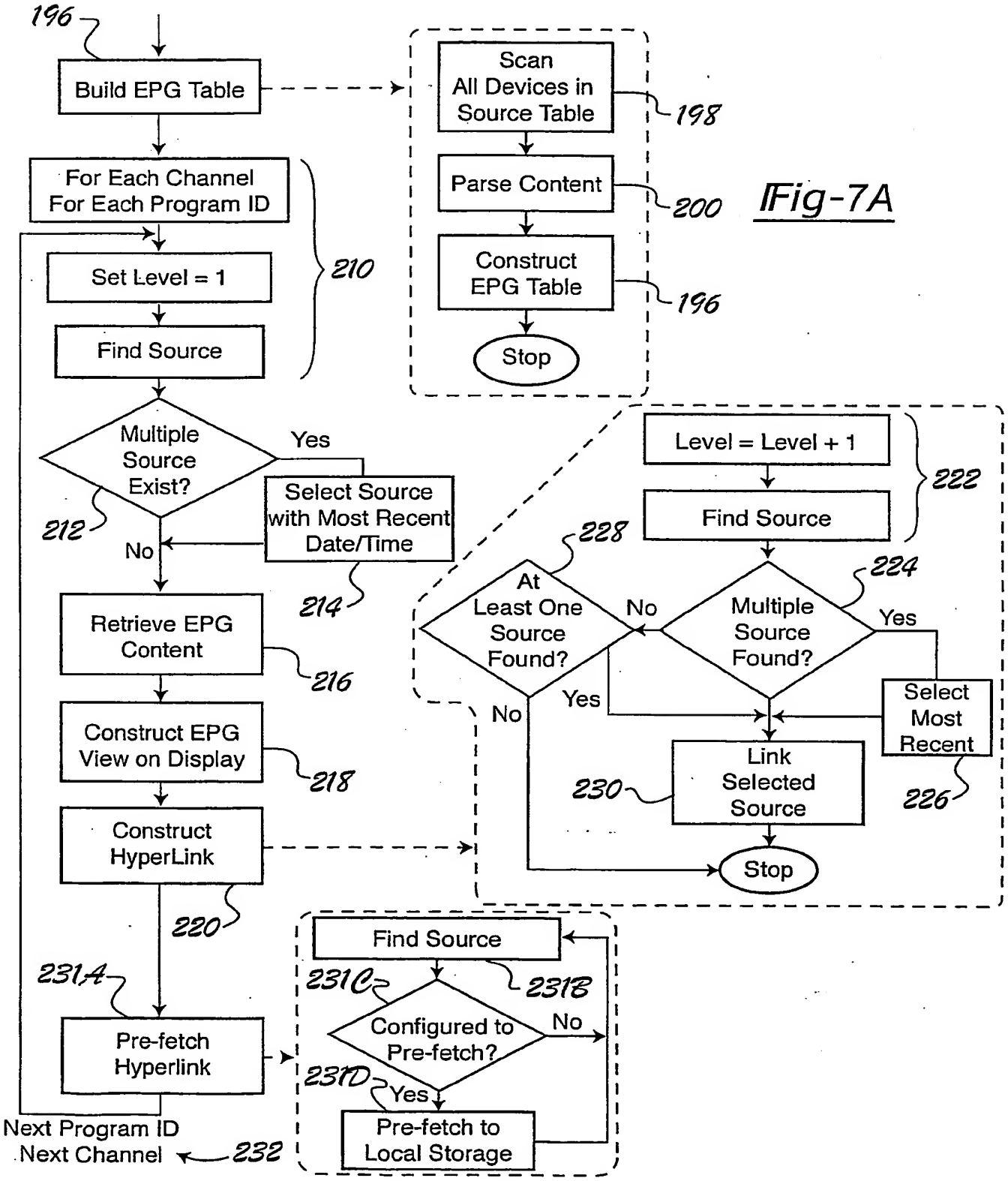
196
Build EPG Table
Scan All Devices in Source Table
198
Parse Content
200
Construct EPG Table
196
Stop
For Each Channel For Each Program ID
Set Level = 1
Find Source
210
Multiple Source Exist?
212
Yes
No
Select Source with Most Recent Date/Time
214
Retrieve EPG Content
216
Construct EPG View on Display
218
Construct HyperLink
220
Level = Level + 1
Find Source
222
228
At Least One Source Found?
No
224
Multiple Source Found?
Yes
Yes
No
Select Most Recent
226
Link Selected Source
230
Stop
231A
Pre-fetch Hyperlink
Find Source
231B
231C
Configured to Pre-fetch?
No
231D
Yes
Pre-fetch to Local Storage
Next Program ID
Next Channel
232

Fig-7A

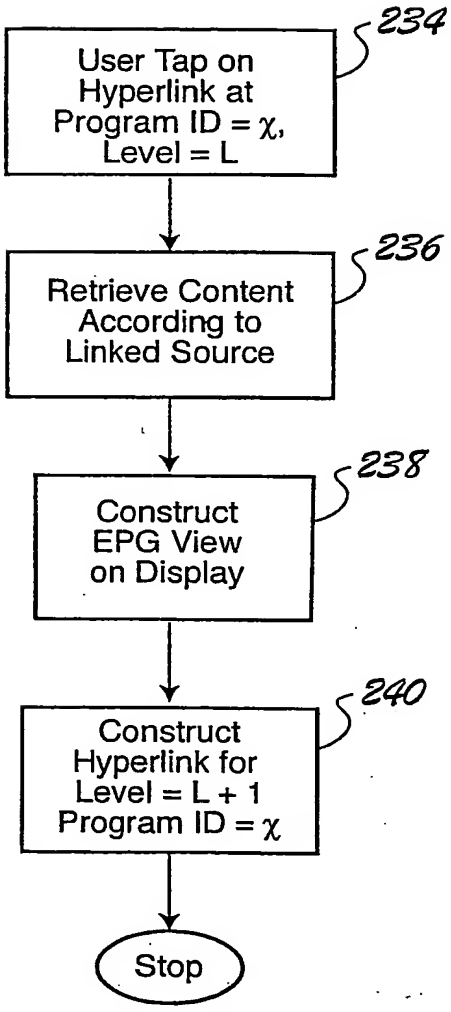
234
User Tap on Hyperlink at Program ID = χ, Level = L
236
Retrieve Content According to Linked Source
238
Construct EPG View on Display
240
Construct Hyperlink for Level = L + 1 Program ID = χ
Stop

Fig-7B